**Chapter 2 Quiz**

1. A monoatomic ion has a charge of +2. The nucleus of the ion has a mass number of 62. The number of neutrons in the nucleus is 1.21 times the number of protons. How many electrons are in the ion? What is the name of the element? What’s its symbol?
2. Naturally occurring copper is a mixture of the isotopes Cu-63 and Cu-65. How many protons and how many neutrons are there in each isotope?
3. Which pair of elements is expected to have the most similar properties?
4. Potassium and lithium
5. Sulfur and phosphorus
6. Silicon and carbon
7. Strontium and barium
8. Fluorine and iodine
9. Most elements in the periodic table are
10. Nonmetals
11. Liquids
12. Gases
13. Metals
14. Metalloids

1. The chemical symbol for antimony is
2. Sn
3. Ti
4. Sb
5. K
6. At
7. Which of the following is a correct formula?
8. NH4SO3
9. CaC2H3O2
10. NaClO4
11. Ba(CO3) 2
12. KH2PO4

Answers: 1. 26, Nickel, Ni 2. Cu-63: #P=29 #n=34 #e=29 Cu-65: #p=29 #n=36 #e=29 3. D 4. D 5. C 6. E